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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

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- 1. (currently amended) A carton comprising a plurality of side panels hingedly joined together by parallel fold lines, the side panels having respective end panels hingedly joined thereto by a second fold line substantially perpendicular to the parallel fold lines, and a locking mechanism comprising two notches formed in a free edge of each panel of two opposed pairs of the end panels, each of the notches being positioned in the free edge an equal distance from one of the parallel fold lines closest to a respective one of the notches, such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form double-notch locking junctions, said panels remaining substantially planar during and after folding of the end panels to interlock them together.
- 2. (original) The carton of claim 1, wherein the notches are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches.
 - 3. (original) The carton of claim 2, wherein each of the notches are the same size.
- 4. (original) The carton of claim 3, wherein the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels.

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- 5. (currently amended) The carton of claim 4, wherein the notches are formed only in four of the <u>end side</u> panels, such that each of the <u>end side</u> panels having the notches opposes another of the <u>end side</u> panels having the notches.
- 6. (currently amended) The carton of claim 5, further comprising <u>a</u> diagonal score <u>line lines</u> extending from an interior corner of each of the notches in one set of opposing <u>said</u> end panels to an outer corner formed by an intersection of one of the parallel fold lines closest to <u>a</u> respective one of said notches the notches and the second fold line to facilitate interlocking of the notches.
- 7. (original) The carton of claim 6, wherein four double-notch locking junctions are formed when the end panels are folded and interlocked, and the carton comprises a central open area having corners formed by the four double-notch locking junctions.
- 8. (original) The carton of claim 6, wherein each of the notches has an outer width of 1.5 to 3 inches.
- 9. (currently amended) An end closure system for a carton having side panels hingedly joined together by parallel fold <u>lines</u>, and <u>lines and</u> end panels <u>hingedly joined to the side panels</u>, the end panels <u>each being substantially planar and</u> having a free edge and a hinged edge foldably attached to the side panels, the system comprising two notches of equal size formed in the free edge of <u>each of</u> four opposing <u>said</u> end panels, each of the notches being spaced an equal distance from <u>a respective closest one of</u> the parallel fold lines forming an adjacent one of

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the side panels such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form four double-notch locking junctions, said panels remaining substantially planar during and after folding of the end panels to interlock them together.

- 10. (original) The system of claim 9, wherein the notches are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches.
- 11. (original) The system of claim 10, wherein the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels.
- 12. (currently amended) The system of claim 11, further comprising <u>a</u> diagonal score <u>line lines</u> extending from an interior corner of each of the notches in one set of opposing <u>said</u> end panels to an outer corner formed by an intersection of one of the parallel fold lines closest to <u>a</u> respective one of said notches the notches and the hinged edge to facilitate interlocking of the notches.
- 13. (original) The system of claim 12, wherein the carton comprises a central open area having corners formed by the four double-notch locking junctions.

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- 14. (original) The system of claim 13, wherein each of the notches has an outer width of 1.5 to 3 inches.
- joined together by parallel fold <u>lines</u>, and <u>lines</u> and end panels <u>hingedly</u> joined to the side panels, the end panels having a free edge and a hinged edge foldably attached to the side panels, and a locking system comprising two notches of equal size formed in the free edge of <u>each of</u> four opposing <u>said</u> end panels, each of the notches being spaced an equal distance from <u>a respective</u> <u>closest one of</u> the parallel fold lines forming an adjacent one of the side panels such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form four double-notch locking junctions, <u>said panels remaining substantially planar</u> during and after folding of the end panels to interlock them together.
- 16. (original) The blank of claim 15, wherein the notches are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches.
- 17. (original) The blank of claim 16, wherein the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels.
- 18. (currently amended) The blank of claim 17, further comprising <u>a</u> diagonal score <u>line lines</u> extending from an interior corner of each of the notches in one set of opposing <u>said</u> end

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panels to an outer corner formed by an intersection of one of the parallel fold lines closest to a respective one of said the notches and the hinged edge to facilitate interlocking of the notches.

- 19. (original) The blank of claim 18, wherein the carton comprises a central open area having corners formed by the four double-notch locking junctions.
- 20. (currently amended) The blank of claim 19, wherein each of the notches has an outer width of 1.5 to 3 inches.
- 21. (new) A carton comprising a plurality of side panels hingedly joined together by parallel fold lines, the side panels having respective end panels hingedly joined thereto by a second fold line substantially perpendicular to the parallel fold lines, and a locking mechanism comprising two notches formed in a free edge of each panel of two opposed pairs of the end panels, each of the notches being positioned in the free edge an equal distance from one of the parallel fold lines closest to a respective one of the notches, such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form double-notch locking junctions, wherein the notches are formed only in four of the end panels and each of the notches are the same size, are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches, and each of the end panels having the notches opposes another of the end panels having the notches, the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels, and further wherein a diagonal score line extends from an interior corner of

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each of the notches in one set of opposing said end panels to an outer corner formed by an intersection of one of the parallel fold lines closest to a respective one of said notches and the second fold line, to facilitate interlocking of the notches

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22. (new) An end closure system for a carton having side panels hingedly joined together by parallel fold lines, and end panels hingedly joined to the side panels, the end panels each being substantially planar and having a free edge and a hinged edge foldably attached to the side panels, the system comprising two notches of equal size formed in the free edge of each of four opposing said end panels, each of the notches being spaced an equal distance from a respective closest one of the parallel fold lines forming an adjacent one of the side panels such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form four double-notch locking junctions, wherein the notches are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches, the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels, and a diagonal score line extends from an interior corner of each of the notches in one set of opposing said end panels to an outer corner formed by an intersection of one of the parallel fold lines closest to a respective one of said notches and the hinged edge to facilitate interlocking of the notches.

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23. (new) A blank foldable into a carton having side panels hingedly joined together by parallel fold lines, and end panels hingedly joined to the side panels, the end panels having a free edge and a hinged edge foldably attached to the side panels, and a locking system comprising two notches of equal size formed in the free edge of each of four opposing said end panels, each of the notches being spaced an equal distance from a respective closest one of the parallel fold lines forming an adjacent one of the side panels such that when the side panels are folded to form the carton and the end panels are folded over, one of the notches from each of the end panels interlocks with one of the notches from an adjacent one of the end panels to form four double-notch locking junctions, the notches are substantially rectangular in shape and have tapered sides, such that a mouth of the notches in the free edge is wider than a base of the notches, the number of side panels in the carton is selected from the group consisting of four, eight or sixteen side panels, and a diagonal score line extends from an interior corner of each of the notches in one set of opposing said end panels to an outer corner formed by an intersection of one of the parallel fold lines closest to a respective one of said notches and the hinged edge to facilitate interlocking of the notches.